

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-5. (Cancelled)

6. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header generated by a first telephony infrastructure component for a SIP message, the header including information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one second telephony infrastructure component operable to receive the SIP message for use thereof in establishing communication with the wireless communication device,

wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message, the information represents CDMA call set-up parameters that are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, and the information includes at least one station classmark that represents at least the wireless communication device power.

7. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header generated by a first telephony infrastructure component for a SIP message, the header including information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one second telephony infrastructure component operable to receive the SIP message for use thereof in establishing communication with the wireless communication device,

wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message, the information represents CDMA call set-up parameters that are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, and the information represents whether a signaling encryption is supported by the wireless communication device.

8. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header generated by a first telephony infrastructure component for a SIP message, the header including information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one second telephony infrastructure component operable to receive the SIP message for use thereof in establishing communication with the wireless communication device,

wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message, the information represents CDMA call set-up parameters that are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, and the information represents MOB_TERM status of the wireless communication device.

9.-10. (Cancelled)

11. (Currently Amended) A system, comprising:

at least one Session Initiation Protocol (SIP) header generated by a virtual Internet Protocol (IP) endpoint component for a SIP message, the header including information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device; and

at least one telephony infrastructure component operable to receive the SIP message for use thereof in establishing communication with the wireless communication device,

wherein the OTA protocol message is a code division multiple access (CDMA) initiation request message, the information represents CDMA call set-up parameters that are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the and the information represents communication from a non-IP enabled CDMA communication device.

12.-14. (Cancelled)

15. (Currently Amended) A method for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

adding data in at least one [[IP]] Session Initiation Protocol message header representing at least one OTA network parameter, wherein the parameter is related to the OTA protocol but not to voice over IP (VOIP) protocol used within the infrastructure, wherein the parameter includes a station classmark and the classmark represents at least the wireless communication device power.

16.-27. (Cancelled)

28. (Previously Presented) A virtual Internet Protocol (IP) endpoint component disposed in a wireless communication device infrastructure, comprising:

a Session Internet Protocol (SIP) message generator operable to generate a SIP message having a header that includes information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device the information represents CDMA call set-up parameters that are related to the OTA protocol and are not related to voice over Internet Protocol (VOIP) communication within the infrastructure, and the information includes at least one station classmark that represents wireless telephone power; and

a communications module operable for communicating the SIP message to the wireless communication device infrastructure.

29.-32. (Cancelled)

33. (Previously Presented) A virtual Internet Protocol (IP) endpoint component disposed in a wireless communication device infrastructure, comprising:

a Session Internet Protocol (SIP) message generator operable to generate a SIP message having a header that includes information derived at least in part from an over-the-air (OTA) protocol message from a wireless communication device that is a non-IP enabled CDMA communication device; and

a communications module operable for communicating the SIP message to the wireless communication device infrastructure.

34.-36. (Cancelled)

37. (Currently Amended) A method, comprising:

using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure, wherein the parameters include a station classmark and the classmark represents telephone power information.

38.-57. (Cancelled)

58. (Currently Amended) A method for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

adding data in at least one [[IP]] Session Initiation Protocol (SIP) message header representing at least one OTA network parameter;

sending a first SIP Invite message containing a full OTA address of an originating wireless endpoint;

receiving a destination address in response thereto; and

sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication, wherein the message header is a portion of a Session Initiation Protocol (SIP) SIP Invite Request message.

59. (Previously Presented) A method, comprising:

using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure;

sending a first SIP Invite message containing at least some CDMA-specific parameters not required for SIP VOIP communication;

receiving a destination address in response thereto; and

sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication.

60. (New) A computer program product, comprising:

a computer-readable medium, comprising:

at least one instruction causing a computer to use extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure;

at least one instruction causing the computer to send a first SIP Invite message containing at least some CDMA-specific

parameters not required for SIP VOIP communication;

at least one instruction causing the computer to receive a destination address in response thereto; and

at least one instruction causing the computer to send a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication.

61. (New) An apparatus, comprising:

means for using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure;

means for sending a first SIP Invite message containing at least some CDMA-specific

parameters not required for SIP VOIP communication;

means for receiving a destination address in response thereto; and

means for sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication.

62. (New) A computer program product for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

a computer-readable medium, comprising:

at least one instruction operable to cause a computer to add data in at least one Session Initiation Protocol message header representing at least one OTA network parameter, wherein the parameter is related to the OTA protocol but not to voice over IP (VOIP) protocol used within the infrastructure, wherein the parameter

includes a station classmark and the classmark represents at least the wireless communication device power.

63. (New) An apparatus for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

means for adding data in at least one Session Initiation Protocol message header representing at least one OTA network parameter, wherein the parameter is related to the OTA protocol but not to voice over IP (VOIP) protocol used within the infrastructure, wherein the parameter includes a station classmark and the classmark represents at least the wireless communication device power.

64. (New) A computer program product, comprising:
a computer-readable medium, comprising:

at least one instructions operable to cause a computer to use extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure, wherein the parameters include a station classmark and the classmark represents power information.

65. (New) An apparatus, comprising:
means for using extended session initiation protocol (SIP) headers to transmit over-the-air (OTA) protocol parameters within an infrastructure using at least one voice over Internet Protocol (VOIP), such that a protocol other than the VOIP need not be used within the infrastructure to effect call set-up between a wireless communication device and another communication device via the infrastructure, wherein the parameters include a station classmark and the classmark represents power information.

66. (New) A computer program product for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

a computer-readable medium, comprising:

at least one instructions operable to cause a computer to add data in at least one Session Initiation Protocol (SIP) message header representing at least one OTA network parameter;

at least one instructions operable to cause the computer to send a first SIP Invite message containing a full OTA address of an originating wireless endpoint;

at least one instructions operable to cause the computer to receive a destination address in response thereto; and

at least one instructions operable to cause the computer to send a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not required for SIP VOIP communication, wherein the message header is a portion of a SIP Invite Request message.

67. (New) An apparatus for facilitating communication between a wireless communication device transmitting information using an over-the-air (OTA) protocol and a telephony infrastructure using IP protocol to communicate information within the infrastructure, comprising:

means for adding data in at least one Session Initiation Protocol (SIP) message header representing at least one OTA network parameter;

means for sending a first SIP Invite message containing a full OTA address of an originating wireless endpoint;

means for receiving a destination address in response thereto; and

means for sending a second SIP Invite message containing only parameters required for SIP VOIP communication and excluding CDMA-specific parameters not

required for SIP VOIP communication, wherein the message header is a portion of a SIP Invite Request message.